

Attorney Docket No. BKP-008

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S):

Lindström

CONFIRMATION NO.:

7653

SERIAL NO.:

10/728,081

GROUP NO.:

3766

FILING DATE:

December 4, 2003

EXAMINER:

Gedeon, Brian T.

TITLE:

Signal Filtering Using Orthogonal Polynomials and Removal of Edge

Effects

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the non-U.S. patent documents and non-patent publications are enclosed.

06/19/2006 CNGUYEN2 00000015 10728081

01 FC:1806

180.00 OP

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

	(1)	within three (3) months of the filing date of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the first Office action on the merits, or before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. 1.114; or
\boxtimes	(2)	after the period defined in (1) above but before the mailing date of any of a final action under 37 C.F.R. 1.113, a notice of allowance under 37 C.F.R. 1.311, or an action that otherwise closes prosecution in the application, and
		the requisite Statement is below, OR
	\boxtimes	the requisite fee under 37 C.F.R. 1.17(p), namely \$180.00, is included herein; or

Information Disclosure Statement Serial No.: 10/728,081

Page 2 of 2

(3)	after the period defined in (2) above but before the payment of the issue fee, AND
	the requisite Statement is below, AND
П	the requisite petition fee under 37 C.F.R. 1.17(p), namely \$180.00 is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]:

- П Each item of information contained in the Information Disclosure Statement was 1. first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement; or
- No item of information contained in the Information Disclosure Statement was 2. cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

Date: June 13, 2006 Reg. No. 58,343

Tel. No.: (617) 261-3216 Fax No.: (617) 261-3175 Karen A. Schouten

Attorney for Applicant(s)

Kreen A Scharten

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One Lincoln Street

Boston, Massachusetts 02111-2950



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Effects

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 13th day of June, 2006.

Lori Calnan

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Submitted herewith is/are:

- Transmittal Form (1 pg.);
- Fee Transmittal Form (1 pg.);
- Information Disclosure Statement (2 pgs.);
- Form PTO-1449 (1 pg.);
- Copies of IDS Citations (B1; C1-C7);
- Check in the amount of \$180.00;
- Certificate of First Class Mailing (1 pg.); and
- Return Receipt Postcard.

	Application Serial Number	10/728,081		
	Filing Date	December 4, 2003		
	First Named Inventor	Lindström		
TRANSMITTA	Group Art Unit	3766		
DIPE	Examiner Name	Gedeon, Brian T.		
FORM STORM	Attorney Docket No.	BKP-008		
JUN 1 6 2006 (L)	Patent No.	Not applicable		
	Issue Date	Not applicable		
PADEMAN	ENCLOSURES (check all that appl	ly)		
Fee Transmittal Form	Copy of Notice to File Missing Parts Application			
☐ Check Attached (\$180.00)☐ Copy of Fee Transmittal Form	☐ Formal Drawing(s)	Appeal Brief (in triplicate)		
Amendment/Response	Request For Continued Examination (RCE) Transmittal	n Status Inquiry		
☐ Preliminary ☐ After Final		□ Return Receipt Postcard		
☐ Affidavits/declaration(s) ☐ Letter to Official Draftsperson	Power of Attorney (Revocation of Prior Powers)	☐ Certificate of First Class Mailing under 37 C.F.R. 1.8		
including Drawings [Total Sheets]	☐ Terminal Disclaimer	Certificate of Facsimile Transmission under 37 C.F.R. 1.8		
☐ Petition for Extension of Time	Executed Declaration and Power of Attorney for Utility or Design Paten Application	☐ Additional Enclosure(s)		
✓ Information DisclosureStatement (2 pgs.)✓ Form PTO-1449 (1 pg.)	Small Entity Statement			
Copies of IDS Citations (B1; C1-C7)	CD(s) for large table or computer program			
Certified Copy of Priority Document(s)	Amendment After Allowance			
Sequence Listing submission Paper Copy/CD Computer Readable Copy Statement verifying identity of above	Request for Certificate of Correction Certificate of Correction (in duplicate)	n		
CORRESPONDENCE ADDRESS	SIGNATURE	BLOCK		
Direct all correspondence to: Patent Adr Kirkpatricl Graham I State Stree One Linco Boston, M Tel. No.: (6)	ninistrator & Lockhart Nicholson LLP t Financial Center In Street A 02111 2050 Date: June 13, 20 Reg. No. 58,343 Tel. No.: (617)	Date: June 13, 2006 Reg. No. 58,343 Tel. No.: (617) 261-3216 Fax No.: (617) 261-3175 Karen A. Schouten Attorney for Applicant(s) Kirkpatrick & Lockhart Nicholson Graham LLP State Street Financial Center One Lincoln Street		

FY 2006

	Complete if Known
Application Serial Number	10/728,081
Filing Date	December 4, 2003
First Named Inventor	Lindström
Group Art Unit	3766
Examiner Name	Gedeon, Brian T.
Attorney Docket No.	BKP-008

METHOD OF PAYMENT	FEE CALCULATION (continued)				
1. Payment Enclosed:	3. ADD	ITIONAL	FEES		
☐ Check ☐ Money Order ☐ Other	Large	Small			
	Entity	Entity		F D.14	
2. The Commissioner is hereby authorized to credit	Fee	Fee	Fee Description	Fee Paid	
or charge any fee indicated below for this submission to	(\$)	(\$)			
Deposit Account No. 50-1721.	120		Complement late Elima for an oath		
Required Fees (copy of this sheet enclosed).	130	65	Surcharge - late filing fee or oath		
Additional fee required under 37 CFR 1.16 and 1.17.	50	25	Surcharge - late provisional filing fee or cover sheet		
Overpayment Credit.	130	130	Non-English specification	-	
3. Applicant claims small entity status.	2,520	2,520	Request for ex parte reexamination		
FEE CALCULATION	120	60	Extension for reply within first month		
1. FILING/SEARCH/EXAM/SIZE FEES	450	225	Extension for reply within second		
			month		
Large Entity	1020	510	Extension for reply within third month		
Fee (\$) Fee Description Fee Paid	1590	795	Extension for reply within fourth month		
1	2160	1080	Extension for reply within fifth month		
300 Utility filing fee	500	250	Notice of Appeal		
500 Utility search fee	500	250	Filing a brief in support of an appeal		
200 Utility exam fee	1000	500	Request for oral hearing		
250 Utility Size fee (each add'l 50 pgs. over 100)	400	400	Petitions to the Commissioner (Gp. I)		
200 Design filing fee	200	200	Petitions to the Commissioner (Gp. II)		
100 Design search fee	130	130	Petitions to the Commissioner (Gp. III)		
130 Design exam fee 250 Design size fee (each add'l 50 pgs. over 100)	180	180	Submission of Information Disclosure Statement	180.00	
, , ,	790	395	Filing a submission after final		
Number Number Rate Amount	790	395	rejection (37 CFR 1.129(a)) For each additional invention to be		
Number Number Rate Amount Filed Extra	/90	393	examined (37 CFR 1.129(b))		
Total Claims - 20 = x \$ 50.00 =	100	100	Certificate of Correction for applicant's error		
Independent	130	65	Submission of Terminal Disclaimer		
Claims $-3 = x $200.00 =$		(Specify)			
		(Specify)			
☐ Multiple Dependent Claim(s), if any \$360.00 = TOTAL:					
SMALL ENTITY DISCOUNT:					
SUBTOTAL (1) (\$) 0.00	1				
2. AMENDMENT CLAIM FEES	1				
Claims Highest No. Present Rate Fee Paid			SUBTOTAL (3) (\$	180.00	
Remaining Previously Extra					
After Amend. Paid For			armam :		
Total - = x \$ 50.00 =	1		SUBTOTAL (1)	0.00	
Indep. = $x $200.00 =$	SUBTOTAL (2) 0.00 SUBTOTAL (3) 180.00				
First Presentation of Multiple Dep. Claim + \$360.00 = TOTAL: (\$)			SUBTOTAL (3)	100.00	
TOTAL: (\$) SMALL ENTITY DISCOUNT: (\$)					
SUBTOTAL (2) (\$)0.00	TOTAL (\$) 180.00				
CORRESPONDENCE ADDRESS	SIGNATURE BLOCK				
Direct all correspondence to:	Respectfully submitted,				
Patent Administrator	Date: June	13, 2006	Kun A shoute	<u> </u>	
Kirkpatrick & Lockhart Nicholson	Reg. No.: 58,343 Karen A. Schouten				
Graham LLP		617) 261-3	216 Attorney for the Applican	ts	
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Tel. No.: (617) 261-3100			One Lincoln Street		
Fax No.: (617) 261-3175			Boston, MA 02111-2950		

FORM PTO - 1449 INFORMATION DISCEOSURE STATEMENT				ATTORNEY DOCKET NO.: BKP-008						
				APPLICANT(S):			Linds	Lindström		
/	7675	\		SERIAL N	O.:		10/72	8,081		
12	JUN 1 6 2006)		FILING DA	ATE:		Decer	nber 4, 2003		
		/	1	GROUP N	O.:		3766			
	MDEMAN	IJ.	S. PATEN	T DOCUM	ENTS			· -		
EXAM.	DOCUMENT		T	T DOCUM	DIVID	T	SUB	FILING D.	ATE IE	
INIT.	NUMBER	DATE	NAME	CLASS			CLASS APPROI			
A1	5,025,794	06/25/1991	Albert e	t al.						
		FORE	IGN PAT	ENT DOC	UMENT	TS .		•		
EXAM. INIT.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	FILING DATE		ABSTRACT ONLY	ENGLISH LANG (Y/N)	
B1	WO99/60701	11/25/1999	PCT			05/18/	1999	N	Y	
		OTHER A	RT, JOU	RNAL ART	ICLES,	ETC.	•			
EXAM. INIT. OTHE	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)									
C1	C1 Falk, K.J. et al., "Real-Time Processing of Multiple-Lead Exercise Electrocardiograms," Medical Progress Through Technology, vol. 8, pp. 159-174, 1982. C2 Sinderby, C. et al., "Automatic Assessment of Electromyogram Quality," Journal of Applied Physiology, vol. 79, no. 5, pp. 1803-1815, 1995.						edical			
C2							d			
C3 Taha, S.M.R. et al., "Computer-Aided Interpretation of ECG Signals Using Polynomial Reg. Methods," Journal of Biomedical Engineering, vol. 11, pp. 329-333, July 1989.						gression				
C4							f Sweden,			
C5							er			
C6	C6 Harris, F.J., "On the use of Windows for Harmonic Analysis with the Discrete Fourier Transform," Proceedings of the IEEE, IEEE, New York, vol. 66, no. 1, pp. 51-84, 1978.							sform,"		
C7	C7 Ambos, H.D. et al., "Spectral Analysis of the Entire Cardiac Cycle from Signal-Averaged ECGs for the Detection of Patients Prone to Ventricular Tachycardia," Computers in Cardiology, pp. 373-376, September 1988.									
EXAMINER				DATE CO	NSIDE	RED				